100	HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION), PER SE	170	.Information processing (e.g., logic circuits, computer, etc.) or information storage or retrieval system, device,
110	.Having Tc greater than or equal to 150 K	171	or component (i.e., both dynamic and static)
120 121	.Thallium (Tl) containing .Bismuth (Bi) containing	1/1	Recording by magnetism, magnetic record carriers, or recording head arrangements
122 123	Organic polymer containing Halogen [i.e., fluorine (Fl),	180	.Device producing stimulated
	<pre>chlorine (C1), bromine (Br), iodine (I), astatine (At)] containing</pre>	181	<pre>emission (e.g., laser, maser,   etc.) .Photoconductive, light</pre>
124 125	.Free metal containing .Copper (Cu) and oxygen (O)		transmissive, light emissive, or light responsive device or
126	containingContaining three atoms of	182	componentDevice or arrangement the
	copper to between six and seven atoms of oxygen [e.g., YCu30(7-@), LaCu30(6+*), etc.]		operation of which is modified by changing optical properties (e.g., reflectivity, transmission, etc.) of
150	HIGH TEMPERATURE (TC GREATER THAN		superconduc- tive material
	30 K) DEVICES, SYSTEMS,	183	Having optical waveguide
160	APPARATUS, COM- PONENTS, OR STOCK, OR PROCESSES OF USING	190	<pre>.Josephson junction, per se   (e.g., point contact, bridge,</pre>
100	.Measuring or testing system or device		barrier junction, SIS, SNS,
161	Bolometer		SSS, etc.) or Josephson
162	Magnetic field sensing system		junction with only terminals or connect
	or device (e.g., SQUID, etc.)	191	.Semiconductor thin film device
163	.Significant cryogenic refrigeration system having superconductor component as		or thin film electric solid- state device or system (i.e.,
	part of the system or having	192	active or passive)Capacitor or including
	superconductor device or	172	capacitor
	<pre>material to be cooled present therewith (e.g., Peltier effect device, etc.)</pre>	193	Superconducting transistor (e.g., Josephson transistor,
164	.Projectile or launching device	200	etc.) .Electric discharge tube
	or system	201	.Antenna
165	System, device, or component utilizing suspension of superconducting particulate material in liquid (e.g., seal, pump, etc.)	202	.Electric communication system containing transmitter or receiver of pulse, digital, or electromagnetic radio, television, or radar wave form
166	.Dynamoelectric machine (e.g.,	203	.Electroacoustic transducer
	<pre>motor, generator, etc.), rotational system or device (e.g., clutch, rotor, bearing,</pre>	204	.Device or system with electronic circuitry for generation of oscillations
	etc.), or components thereof	210	.High frequency waveguides, resonators, electrical networks, or other devices of the waveguide type (e.g., phase shifters, cavity filters, etc.)

211	<pre>.Electrical energy storage device   (e.g., accumulator, etc.),   inductor, transformer,   magnetic switch, magnetic   ring, sphere, coil, or   magnetic arrangement</pre>	320	.Producing lattice imperfection flux pinning sites or increasing critical current density through particle bombardment, electromagnetic wave energy, or using
212	Truncated hollow spherical or truncated cylindrical flux source bodies (e.g., magic hemisphere, magic half-ring, etc.)	325	fissionable material .Utilizing particle (e.g., electron beam, ion, etc.) bombardment or electromagnetic wave energy (e.g., laser,
213 220	Noncoiled hollow magnetic arrangement		<pre>etc.) treatment of selected regions to form conducting or insulating areas</pre>
220	.Superconductor having metal connect, pad, connect structure, or patterned superconductor circuit, per se	329	<pre>.Producing Josephson junction, per se (e.g., point contact, bridge, barrier junction, SIS,</pre>
230	<pre>.Superconducting wire, tape, cable, or fiber, per se</pre>	330	SNS, SSS, etc.) .Semiconductor device or thin
231	Having plural superconducting wire or superconducting fiber		film electric solid-state device manufacture
232	<pre>component (e.g., multifilament wire, etc.)</pre>	400	<pre>.Using magnetic field (e.g., for aligning, texturizing, classifying, etc.)</pre>
232	Having nonsuperconducting core .Superconducting layer and	401	.Using sonic, ultrasonic, or
	organic or free carbon layer (i.e., adjacent or nonadjacent to superconductor)		<pre>vibrational energy (e.g., shock processing, vibration compacting, etc.)</pre>
234	.Superconductor next to superconductor	410	.With material removal by etching, laser ablation, or mechanical abrasion
235	.Superconductor layer and one semiconducting or silicon (Si) layer	411	Utilizing plasma etching or sputter etching
236	.Superconductor layer next to	412	Laser ablation
237	free metal containing layer .Superconductor next to two or	413	<pre>Utilizing mask (e.g.,   photoresist, etc.)</pre>
238	more nonsuperconductive layers .Superconductor next to layer	420	.With glass forming, working, or treating
250	containing nonsuperconducting ceramic composition or inorganic compound (e.g., metal oxide, metal nitride, etc.)	425	.Producing powder or short fiber (i.e., less than 15 cm) by spraying, dropping, or slinging of solution, suspension, or melt (e.g.,
239	.Substrate for supporting superconductor	430	<pre>spray-drying, atomizing, etc.) .Process of making wire, tape,</pre>
300	PROCESSES OF PRODUCING OR		cable, coil, or fiber
	TREATING HIGH TEMPERATURE (TC	431	Making multifilament
	GREATER THAN 30 K)	432	Isostatic pressing (e.g., HIP,
	SUPERCONDUCTOR MATERIAL OR		hydrostatic pressing, etc.)
	SUPERCONDUCTOR CONTAINING	433	With metal deforming, metal
	PRODUCTS OR PRECURSORS THEREOF		wrapping, or metal coiling
310	.With measuring or testing of	434	With coating
	superconducting properties	440	.Utilizing sol or gel
		441	.With precipitating from solution
		111	ten precipitating from solution

445	<pre>.Using an organometallic intermediate (e.g., ligand, chelate, clathrate, etc.)</pre>	512	<pre>Organometallic (e.g., ligand,     clathrate, oxalate, etc.)</pre>
446	Including coating step		
447	Vapor deposition		
450	.With melting	CROSS-	REFERENCE ART COLLECTIONS
451	With zone melting, zone solidification, or seed pulling		A. INVOLVING HIGH TEMPERATURE MATERIAL (TC ABOVE 30 K)
452	And coating or impregnating with melt	700	HIGH TC (ABOVE 30 K) SUPERCONDUCTING DEVICE,
460	<pre>.Producing fullerene (i.e., C60)   type superconductor or analog</pre>	701	ARTICLE, OR STRUCTURED STOCK  .Coated or thin film device
	thereof		(i.e., active or passive)
461	.Producing halogen [i.e.,	702	Josephson junction present
	fluorine (Fl), chlorine (Cl),	702	
	bromine (Br), or astatine	703	Microelectronic device with
	(At)], containing		superconducting conduction
	superconductor		line
470	_	704	.Wire, fiber, or cable
470	.Coating	705	Magnetic coil
471	Printing (e.g., screen	706	.Contact pads or leads bonded to
	printing, etc.) or application		superconductor
	with solid coating means	725	PROCESS OF MAKING OR TREATING
472	Electrolytic or electrophoretic		HIGH TC (ABOVE 30 K)
	coating		SUPERCONDUCTING SHAPED
473	Vapor deposition		MATERIAL, ARTICLE, OR DEVICE
474	Laser evaporative (i.e.,	726	.Measuring or testing of
	ablative) coating	720	superconducting property
475	Sputtering	727	
476	RF sputtering (e.g., 13.56		.Using magnetic field
1,0	MHz, etc.)	728	.Etching
477	Using plasma	729	.Growing single crystal (e.g.,
480	Utilizing electromagnetic wave		epitaxy, bulk)
400	energy, ion, or plasma	730	.Vacuum treating or coating
401		731	Sputter coating
481	.Including exothermic reaction or	732	Evaporative coating with
	ignition of binder		superconducting material
482	.Treating with high pressure	733	.Rapid solidification (e.g.,
	oxygen		quenching, gas-atomizing,
483	.Utilizing fluid bed		melt-spinning, roller-
490	.Shaping or consolidating (e.g.,		quenching)
	pelletizing, compacting, etc.)	734	.From organometallic precursors
491	Utilizing isostatic pressure		(e.g., acetylacetonates)
	(e.g., HIP, etc.) or specified	735	By sol-gel process
	pressure	736	
492	Bismuth (Bi) or thallium (Tl)		.From free metal precursors
	containing	737	.From inorganic salt precursors
500	.Heating, annealing, or sintering		(e.g., nitrates)
501	Bismuth (Bi) or thallium (T1)	738	By precipitating
201		739	.Molding, coating, shaping, or
<b>510</b>	containing		casting of superconducting
510	PRECURSOR OF HIGH TEMPERATURE (TC		material
	GREATER THAN 30 K)	740	To form wire or fiber
	SUPERCONDUCTOR MATERIAL OR	741	Coating or casting onto a
	STOCK, PER SE, OR PROCESS OF		substrate (e.g., screen
	PRODUCING THE PRECURSOR		printing, tape casting)
511	.Target for coating	742	.Annealing
		, 12	

775	HIGH TC (ABOVE 30 K)	801	.Composition: (Classes 75, 252,
	SUPERCONDUCTING MATERIAL		501)
776	.Containing transition metal	802	Organic
	oxide with rare earth or	803	Magnetic
	alkaline earth	804	Amorphous alloy
777	Lanthanum (La)-(e.g., La2Cu04)	805	Alloy or metallic: (Class
778	Alkaline earth (i.e., Ca, Sr,		420,420/901)
	Ba, Ra)- [e.g., La(2-	806	Niobium base (Nb)
	x)Ba(x)CuO4]	807	Powder: (Class 75)
779	Other rare earth (i.e.,	808	Liquid crystal: (Class 252)
	Sc,Y,Ce,Pr,Nd,Pm,Sm,Eu,Gd,Tb,D	809	Ceramic: (Class 501)
	y,Ho,Er,Tm,Yb,Lu) and alkaline	810	.Compound: (Class 423)
=	earth (i.e., Ca,Sr,Ba,Ra)	811	Organic: (Classes 520-570)
780	Yttrium(Y) and barium(Ba)-	812	.Stock: (Class 428, 428/930)
=04	(e.g., YBa2Cu307)	813	Wire, tape, or film
781	Noble metal (i.e., Ag, Au,	814	Treated metal: (Class 148/400+)
	Os, Ir, Pt, Ru, Rh, Pd) or	815	.Process of making, per se
	chromium(Cr), manganese(Mn),	816	Sputtering, including coating,
	<pre>iron(Fe), cobalt(Co), or nickel(Ni)-[e.g., YBa2Cu(3-</pre>		forming, or etching (Class
	x)Fe(x)O(y)]		204/192.24)
782	Bismuth(Bi)-(e.g., BiCaSrCu0)	817	Forming Josephson element
783	Thallium(Tl)-(e.g.,	818	Coating: (Classes 204, 427/62)
703	Tl2CaBaCu308)	819	Vapor deposition
784	.Bismuth(Bi)-(e.g., BaKBi0)	820	And etching
785	.Composition containing	821	Wire
	superconducting material and	822	Shaping: (Classes 148, 264)
	diverse nonsuperconducting	823	Powder metallurgy: (Class 419)
	material	824	Battery, thermo or photo-
	materiar		
950	MANUFACTURING SYSTEM OR APPARATUS		electric: (Class 136)
950		825	electric: (Class 136) APPARATUS, PER SE, DEVICE, PER
950	MANUFACTURING SYSTEM OR APPARATUS	825	electric: (Class 136) APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR
950	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT,		electric: (Class 136) APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME
950	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK	826	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118)
950	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR	826 827	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340)
950	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF	826	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),
950	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING	826 827	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340)
950 951	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT)	826 827	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector:
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC	826 827 828	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329)
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT)	826 827 828	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector: (Class 329) .Electrical computer or data
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K)	826 827 828 829	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364)
	MANUFACTURING SYSTEM OR APPARATUS  FOR MAKING HIGH TEMPERATURE  (I.E., TC GREATER THAN 30 K)  SUPERCONDUCTOR PRODUCT,  DEVICE, ARTICLE OR STOCK  (I.E., WHICH SYSTEM OR  APPARATUS DOES NOT ITSELF  CONTAIN A SUPERCONDUCTING  COMPONENT)  NPL PLUS FP HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR: MATERIAL	826 827 828 829	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse
	MANUFACTURING SYSTEM OR APPARATUS  FOR MAKING HIGH TEMPERATURE  (I.E., TC GREATER THAN 30 K)  SUPERCONDUCTOR PRODUCT,  DEVICE, ARTICLE OR STOCK  (I.E., WHICH SYSTEM OR  APPARATUS DOES NOT ITSELF  CONTAIN A SUPERCONDUCTING  COMPONENT)  NPL PLUS FP HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR: MATERIAL  (I.E., ELEMENT, COMPOUND, OR	826 827 828 829	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR	826 827 828 829 830	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365,
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR	826 827 828 829 830	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC	826 827 828 829 830	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)Josephson junction type: (Class
	MANUFACTURING SYSTEM OR APPARATUS  FOR MAKING HIGH TEMPERATURE  (I.E., TC GREATER THAN 30 K)  SUPERCONDUCTOR PRODUCT,  DEVICE, ARTICLE OR STOCK  (I.E., WHICH SYSTEM OR  APPARATUS DOES NOT ITSELF  CONTAIN A SUPERCONDUCTING  COMPONENT)  NPL PLUS FP HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR: MATERIAL  (I.E., ELEMENT, COMPOUND, OR  COMPOSITION) DEVICES, SYSTEMS,  APPARATUS, COMPONENTS, STOCK,  PROCESSES OF USING SAME, OR  PROCESSES OF PRODUCING OR  TREATING HIGH TEMPERATURE (TC  GREATER THAN 30 K)	826 827 828 829 830 831	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)Josephson junction type: (Class 365/162)
	MANUFACTURING SYSTEM OR APPARATUS  FOR MAKING HIGH TEMPERATURE  (I.E., TC GREATER THAN 30 K)  SUPERCONDUCTOR PRODUCT,  DEVICE, ARTICLE OR STOCK  (I.E., WHICH SYSTEM OR  APPARATUS DOES NOT ITSELF  CONTAIN A SUPERCONDUCTING  COMPONENT)  NPL PLUS FP HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR: MATERIAL  (I.E., ELEMENT, COMPOUND, OR  COMPOSITION) DEVICES, SYSTEMS,  APPARATUS, COMPONENTS, STOCK,  PROCESSES OF USING SAME, OR  PROCESSES OF PRODUCING OR  TREATING HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR MATERIAL OR	826 827 828 829 830 831 832 833	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)Josephson junction type: (Class 365/162)Thin film type: (Class 365/161)
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL OR SUPERCONDUCTOR CONTAINING	826 827 828 829 830 831	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332), demodulator, or detector: (Class 329) .Electrical computer or data processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register: (Class 377) .Static information storage system or device: (Class 365, 365/160)Josephson junction type: (Class 365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix,
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL OR SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF	826 827 828 829 830 831 832 833 834	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector:   (Class 329) .Electrical computer or data   processing system (Class 364) .Electrical pulse counter, pulse divider, or shift register:   (Class 377) .Static information storage   system or device: (Class 365, 365/160)Josephson junction type: (Class 365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix, etc.): (Class 365/161)
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL OR SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE	826 827 828 829 830 831 832 833	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector:   (Class 329) .Electrical computer or data   processing system (Class 364) .Electrical pulse counter, pulse   divider, or shift register:   (Class 377) .Static information storage   system or device: (Class 365,   365/160)Josephson junction type: (Class   365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix,   etc.): (Class 365/161)Content addressed (i.e.,
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL OR SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF	826 827 828 829 830 831 832 833 834	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector:   (Class 329) .Electrical computer or data   processing system (Class 364) .Electrical pulse counter, pulse   divider, or shift register:   (Class 377) .Static information storage   system or device: (Class 365,   365/160)Josephson junction type: (Class   365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix,   etc.): (Class 365/161)Content addressed (i.e.,   associative memory type):
	MANUFACTURING SYSTEM OR APPARATUS FOR MAKING HIGH TEMPERATURE (I.E., TC GREATER THAN 30 K) SUPERCONDUCTOR PRODUCT, DEVICE, ARTICLE OR STOCK (I.E., WHICH SYSTEM OR APPARATUS DOES NOT ITSELF CONTAIN A SUPERCONDUCTING COMPONENT) NPL PLUS FP HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR: MATERIAL (I.E., ELEMENT, COMPOUND, OR COMPOSITION) DEVICES, SYSTEMS, APPARATUS, COMPONENTS, STOCK, PROCESSES OF USING SAME, OR PROCESSES OF PRODUCING OR TREATING HIGH TEMPERATURE (TC GREATER THAN 30 K) SUPERCONDUCTOR MATERIAL OR SUPERCONDUCTOR CONTAINING PRODUCTS OR PRECURSORS THEREOF B. INVOLVING LOW TEMPERATURE SUPERCONDUCTORS (TC AT OR	826 827 828 829 830 831 832 833 834	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector:   (Class 329) .Electrical computer or data   processing system (Class 364) .Electrical pulse counter, pulse   divider, or shift register:   (Class 377) .Static information storage   system or device: (Class 365,   365/160)Josephson junction type: (Class   365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix,   etc.): (Class 365/161)Content addressed (i.e.,
951	MANUFACTURING SYSTEM OR APPARATUS  FOR MAKING HIGH TEMPERATURE  (I.E., TC GREATER THAN 30 K)  SUPERCONDUCTOR PRODUCT,  DEVICE, ARTICLE OR STOCK  (I.E., WHICH SYSTEM OR  APPARATUS DOES NOT ITSELF  CONTAIN A SUPERCONDUCTING  COMPONENT)  NPL PLUS FP HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR: MATERIAL  (I.E., ELEMENT, COMPOUND, OR  COMPOSITION) DEVICES, SYSTEMS,  APPARATUS, COMPONENTS, STOCK,  PROCESSES OF USING SAME, OR  PROCESSES OF PRODUCING OR  TREATING HIGH TEMPERATURE (TC  GREATER THAN 30 K)  SUPERCONDUCTOR MATERIAL OR  SUPERCONDUCTOR CONTAINING  PRODUCTS OR PRECURSORS THEREOF  B. INVOLVING LOW TEMPERATURE  SUPERCONDUCTORS (TC AT OR  BELOW 30 K)	826 827 828 829 830 831 832 833 834	electric: (Class 136)  APPARATUS, PER SE, DEVICE, PER SE, OR PROCESS OF MAKING OR OPERATING SAME  .Coating: (Class 118) .Code converter: (Class 340) .Modulator: (Class 332),   demodulator, or detector:   (Class 329) .Electrical computer or data   processing system (Class 364) .Electrical pulse counter, pulse   divider, or shift register:   (Class 377) .Static information storage   system or device: (Class 365,   365/160)Josephson junction type: (Class   365/162)Thin film type: (Class 365/161)Plural (e.g., memory matrix,   etc.): (Class 365/161)Content addressed (i.e.,   associative memory type):

836	<pre>Location addressed (i.e., word organized memory type:</pre>	861	With Josephson junction: (Class 307/245)
837	(Class 365/161)Random access (i.e., bit	862	With thin film device: (Class 307/245)
037	organized memory type): (Class 365/161)	863	Stable state circuit for signal shaping, converting, or
838	<pre>Plural (e.g., memory matrix,   etc.): (Class 365/160)</pre>	864	generating: (Class 307/277)With Josephson junction:
839	Content addressed (i.e.,		(Class 307/277)
	associative memory type): (Class 365/160)	865	With Josephson junction: (Class 307/306)
840	<pre>Location addressed (i.e., word   organized memory type): (Class 365/160)</pre>	866	<pre>.Wave transmission line, network, waveguide, or microwave storage device: (Class 333/</pre>
841	Random access (i.e., bit organized memory type): (Class	867	99S) .Electric power conversion
	365/160)		system: (Class 363)
842	.Measuring and testing: (Classes 73, 324, 356, and 374)	868	Current conversion: (Class 363/14)
843	Electrical: (Class 324)	869	.Power supply, regulation, or
844	Nuclear magnetic resonance (NMR) system or device: (Class		<pre>energy storage system: (Class 323)</pre>
	324)	870	Including transformer or
845	Magnetometer: (Class 324/248)		inductor: (Class 323/360)
846	Using superconductive quantum	871	.Magnetic lens: (Class 250/396)
010	interference device (i.e., SQUID): (Class 324/248)	872	.Magnetic field shield: (Class 307/91)
847	Thermal: (Class 374)	873	.Active solid-state device:
848	.Radiant energy application:		(Class 257)
0.40	(Class 250)	874	With Josephson junction (e.g.,
849	<pre>Infrared responsive electric signaling: (Class 250/338+)</pre>	875	SQUID, etc.): (Class 257)Combined with housing and
850	.Protective circuit: (Class 361/		<pre>cryogenic fluid cooling: (Class 257)</pre>
851	.Control circuit for	876	.Electrical generator or motor
	electromagnetic device: (Class		structure: (Class 310)
852	361/141) .Electric motor control: (Class	877	Rotary dynamoelectric type: (Class 310/40+)
	318)	878	With cooling: (Class 310/52+)
853	.Oscillator: (Class 331)	879	.Magnet or electromagnet: (Class
854	With solid-state active	015	335/216)
	element: (Class 331/107S)	880	.Inductor: (Class 336/DIG 1)
855	.Amplifier: (Class 330)	881	Resistance device responsive to
856	Electrical transmission or	001	magnetic field: (Class 338/
030	interconnection system: (Class		32S)
	307)	882	.Circuit maker or breaker: (Class
857	Nonlinear solid-state device		200)
	<pre>system or circuit: (Class 307/ 200+)</pre>	883	.Housing and mounting assembly with plural diverse electrical
858	Digital logic: (Class 307/476)		components: (Class 361/331+)
859	Function of AND, OR, NAND,	884	.Conductor: (Class 174)
-	NOR or NOT: (Class 307/462)	885	Cooling, or feeding,
860	Gating (i.e., switching) circuit: (Class 307/245)	003	circulating, or distributing fluid; in superconductive apparatus: (Class 174/15CA)

886	Cable: (Class 174/15S)	922	Making Josephson junction
887	Conductor structure: (Class	000	device
0.00	174/126S and 128S)	923	Making device having
888	Refrigeration: (Class 62)		semiconductive component
889	Utilizing rare earth material		<pre>(e.g., integrated circuit, etc.)</pre>
890	Heat pipe device	924	•
891	Magnetic or electrical effect cooling	924	Making superconductive magnet or coil
892	Magnetic device cooling	925	Making superconductive joint
893	Spectrometer	926	Mechanically joining
894	Cyclic cryogenic system (e.g.,		superconductive members
	Sterling, Gifford-McMahon, etc.)	927	Metallurgically bonding superconductive members
895	•	928	Metal deforming
093	With regenerative heat exchanger	929	By extruding
896	_	930	By drawing
	Special refrigerant compound	931	
897	Cryogenic media transfer	931	.Classifying, separating, and assorting solids using
898	Cryogenic envelope		magnetism: (Class 209)
899	Method of cooling	932	_
900	.Heat exchange: (Class 165)		Separating diverse particulates
901	Heat pipe	933	In liquid slurry
902	<pre>.Railway (e.g., rapid transit, etc.): (Class 104)</pre>		
903	Suspension (e.g., magnetic,		
	electrodynamic, etc.)	FOREIGN	ART COLLECTIONS
904	Guidance means (i.e., in		
	addition to the track)	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
905	Motor structure		
905 906	Switching device (i.e., electrical not railway stock		
906	Switching device (i.e., electrical not railway stock diverting)		
906	Switching device (i.e., electrical not railway stock diverting)Support structure		
906 907 908	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation		
906 907 908 909	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60)		
906 907 908 909 910	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417)		
906 907 908 909	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60)		
906 907 908 909 910	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e.,		
906 907 908 909 910 911	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416)		
906 907 908 909 910 911	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)		
906 907 908 909 910 911 912 913 914	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric field		
906 907 908 909 910 911 912 913 914 915	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite product		
906 907 908 909 910 911 912 913 914 915 916	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting		
906 907 908 909 910 911 912 913 914 915	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29,		
906 907 908 909 910 911 912 913 914 915 916 917	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29, 72, and 228)		
906 907 908 909 910 911 912 913 914 915 916	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29,		
906 907 908 909 910 911 912 913 914 915 916 917	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29, 72, and 228)With metallurgical heat		
906 907 908 909 910 911 912 913 914 915 916 917	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29, 72, and 228)With metallurgical heat treatingReactive formation of superconducting intermetallic		
906 907 908 909 910 911 912 913 914 915 916 917	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29, 72, and 228)With metallurgical heat treatingReactive formation of superconducting intermetallic compound		
906 907 908 909 910 911 912 913 914 915 916 917 918 919	Switching device (i.e., electrical not railway stock diverting)Support structureMethod of operation .Power plant: (Class 60) .Pump: (Class 417) .Fluid reaction surface (i.e., impeller): (Class 416) .Metal founding: (Class 164)Casting processUsing magnetic or electric fieldMaking composite productContinuous casting .Mechanically manufacturing superconductor: (Classes 29, 72, and 228)With metallurgical heat treatingReactive formation of superconducting intermetallic compoundUtilizing diffusion barrier		